UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
100 East 'B' Street - Room 3124
Casper, WY 82601

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Wyoming Water Supply Outlook

and

Federal - State - Private Cooperative Snow Surveys



SOIL CONSERVATION SERVICE



United States Department of Agriculture

Soil Conservation Service

Casper, Wyoming



Wyoming Water Supply Outlook Mar. 1, 1985



FOREWORD

HOW FORECASTS ARE MADE

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture, and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason forecasts are issued that reflect three future precipitation conditions - Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

FOR MORE INFORMATION

Copies of Monthly Water Supply Outlock Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	Room 129,2221 East Northern Lights Blvd., Anchorage AK 99504
Arizona	Room 3008, Federal Bldg., 230 North First Ave., Phoenix AZ 85025
Colorado (New Mexico	2490 West 26th Ave., Denver CO 80211
l daho	304 North 8th Street, Room 443, Boise ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman MT 59715
Nevada	50 South Virginia Street, Third Floor, Reno NV 89505
Oregon	1220 Southwest 3rd Ave.,16th Floor,Portland OR 97204
Utah	4418 Federal Bldg.,125 South State St.,Salt Lake City UT 84147
Washington	360 U.S. Court House, Spokane WA 99201
Wyoming	Federal Bldg.,Room 3124,100 East 'B' St.,Casper WY 82601

In addition to state reports, a Water Supply Outlook Report for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 514, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include - Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia - The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory - Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1, Alberta, Saskatchewan, and N.W.T. - The Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta, T3C 1A6.

Wyoming Water Supply Outlook

AND

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

Peter C. Myers Chief Soil Conservation Service Washington, D.C.

Released by

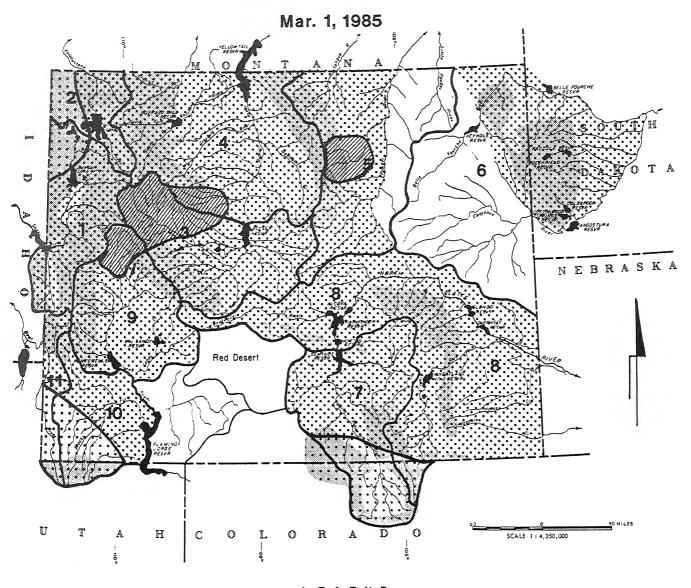
Frank S. Dickson State Conservationist Soil Conservation Service Casper, Wyoming

Prepared by

Jon G. Werner Water Supply Specialist Soil Conservation Service Room 3124, 100 East B Street Casper, Wyoming 82601

STREAMFLOW PROSPECTS FOR WYOMING

Spring and Summer Period



LEGEND

- 1. Snake River Basin >.130% Much Above Average 2. Upper Yellowstone and Madison River Basins 3. Wind River Basin 110%-130% Above Average 4. Bighorn River Basin 5. Powder and Tongue River Basins 90%-110% Near Average 6. Belle Fourche and Cheyenne River Basins 7. Upper North Platte and Little Snake River 70%-90% Below Average Basins 8. Lower North Platte, Sweetwater, and Laramie < 70% Much Below Average River Basins 9. Upper Green River Basin Not Forecast 10. Lower Green River Basin
- 11. Upper Bear River Basin

GENERAL OUTLOOK

NEARLY ALL WYOMING STREAMFLOWS ARE FORECAST AT BELOW NORMALS THIS SPRING AND SUMMER. FEBRUARY SNOWFALLS HAVE BARELY SUSTAINED THE BELOW AVERAGE SNOWPACKS OF LATE JANUARY.

SNOWPACK:

All snowpacks are less than the 20-year average for March 1. February snowfalls were barely sufficient to maintain the statewide snowpack condition at about 20 percent below average. The Snake River Basin is best at 13 percent below normal while the Bear, North Platte, and Yellowstone-Madison Rivers follow closely to 17 percent below average. Other basins in the state are 23 to 27 percent below normal with the lowest report of near 50 percent below normal for drainages west of Buffalo, Wyoming.

PRECIPITATION:

February precipitation was light statewide. The greatest amounts received were in northwestern Wyoming where the Snake and Yellowstone drainages had near normal amounts of only 1 to 3 inches water equivalent. Elsewhere, precipitation was only near one-half inch or less. The Belle Fourche, Big Horn, Powder, Little Missouri, Wind River, and Green River drainages had low elevation areas where less than one-tenth of an inch fell during the entire month. February precipitation is usually not high, however, and spring months have historically promised heavy wet snows.

The light February precipitation decreased seasonal comparisons. Low elevation stations in the Big Horn, Little Missouri and Tongue, Wind, and Upper North Platte drainages and extreme southwestern Wyoming showed greater than 50 percent below normal seasonal precipitation. Other areas are near normal.

RESERVOIR STORAGE:

Available waters stored in Wyoming's reservoirs has increased during February to 18 percent above normal. Seminoe Reservoir is currently holding over twice normal. Pathfinder is also high at 62 percent above normal. Buffalo Bill Reservoir is 41 percent above usual. Other reservoirs are near normal.

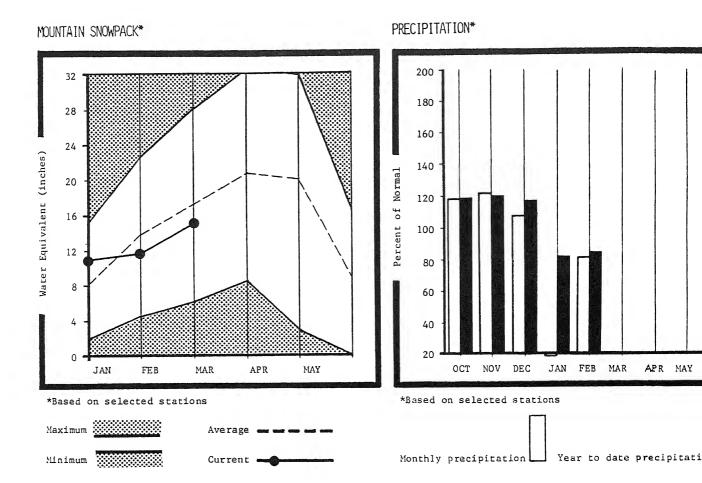
STREAMFLOW FORECASTS:

The continuing, below normal snowparmore certainly that streamflows will summer. The only exceptions not Henry's Fork, and Bear Rivers (9 respectively). Near 25 percent in streams such as the North For and Rock Creeks west of Buffalo, The remainder of Wyoming streamf 15 percent below average.

All of this is conditional upon during the remaining snow season are a result of a coordinated ac Conservation Service and the Nat effort to provide the best possi

. - 42.-.

SNAKE RIVER BASIN



WATER SUPPLY OUTLOOK:

Slight increases are noted in snowpack comparisons for this basin on March 1. However, they still average at 13 percent below normal. With only one-fifth of the snow accumulation season left, heavy snowfalls will be needed to boost spring and summer streamflows from the present 8 to 12 percent below normal. Reservoir storage is excellent.

SNAKE RIVER BASIN

STREAMFLOW FORECASTS

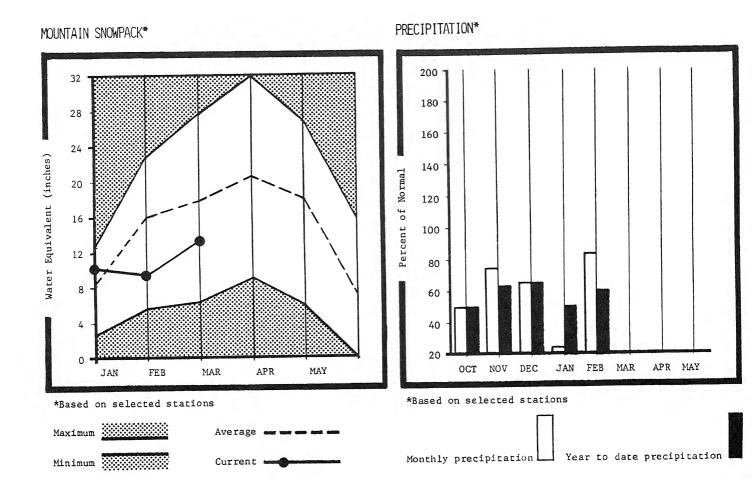
I I STREAMFLOW FORECAST POINT	THIS YEAR Streamf Forecast Forecast 1,000 Ac-Ft. Pct. Ave. Perio	st 1,000 Acre-Feet
SNAKE RIVER near Moran (1)	2,460	ept. 2,730 ept. 4,066

- (1) Observed flow plus change in storage in Jasckson Lake.
- (2) Observed flow plus change in storage in Jasckson Lake and Palisades Reservoir.
- ** Heasured flows for last year are U.S.G.S. provisional figures, subject to revision.
- + Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

River Basin and/or Sub-Watershed	15	no	WIM	This ater ast Y	85	ct o	<u>f</u> l	1	Reservoir		yl This	<u>ble Stora</u> Last Year	
======================================	=== 	==: 8	===	115	==== 	-=== 95	:== . 	== 	Grassy Lake	1 15	11 13.	11 14.01	ì
scific Creek	1	2	1	104	1	86	1	1	1 1 1 1 1 1	1 224	11 27/	ا 21 492.01	i I
Gros Ventre		3	l	97 100	1	83 83	1	1	Jackson Lake	1 024	1	1 472+01	١
ol Ael	1	3	= ¦	89	i.	79	i	i	Palisades	1 1,200	.01 888	51 994.9	١
	١	5	ļ	87	١	89	١	1		1	1	1	1
above Palisades	1	29	1	101	1	87	1	1		1	1	1	1
	1		ı		١		1	1		!	1	1	1
	١		1		i		١	1		1	1	!	1
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UPPER YELLOWSTONE AND MADISON RIVER BASINS



WATER SUPPLY OUTLOOK:

February snows have sustained snowpacks at about 10 percent below normal. Streamflows will also be below normal unless offset by heavy spring snows and rains.

YELLOWSTONE-MADISON RIVER BASIN

STREAMFLOW FORECASTS

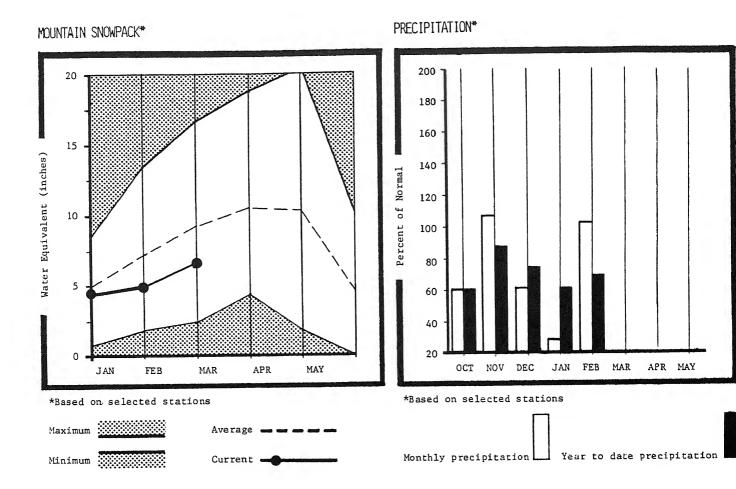
 STREAMFLOW FORECAST POINT	THIS YEAR Forecast 1,000 Ac-Ft. Pct. Ave.	Streamflow Forecast Period	PAST RECORD 1,000 Acre-Feet Last Yr.** Average +
YELLOWSTONE RIVER at Yellowstone Lake Outlet YELLOWSTONE RIVER at Corwin Springs, MT	1,690 83 2,000 84	April-Sept. April-Sept. April-Sept. April-Sept. April-Sept.	, a ama 1

- (1) Observed flow plus chamge in storage in Hebgen Lake.
- ** Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
- + Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

River Basin and/or Sub-Watershed	No. This Yr. Snow Snow <u>Water as Pct of</u> Site Last Yr Average	Reservoir 	Usable <u>Ùsable Storage</u> Capacity This Last Year Year Ave.
Madison (in Wyoming)	13 125 92	I - No Reservoirs -	
Yellowstone	15 119 81	1	
		1	
		1	
		1	
=======================================			

WIND RIVER BASIN



WATER SUPPLY OUTLOOK:

Greatest increase in comparisons to average show were not in this basin. This 6 percent increase was not sufficient, however, to boost the poor snowpack which still remains at 26 percent below average. Streamflows are predicted at 7 to 15 percent below normal. Reservoirs are all above usual.

IND RIVER BASIN

TREAMFLOW FORECASTS

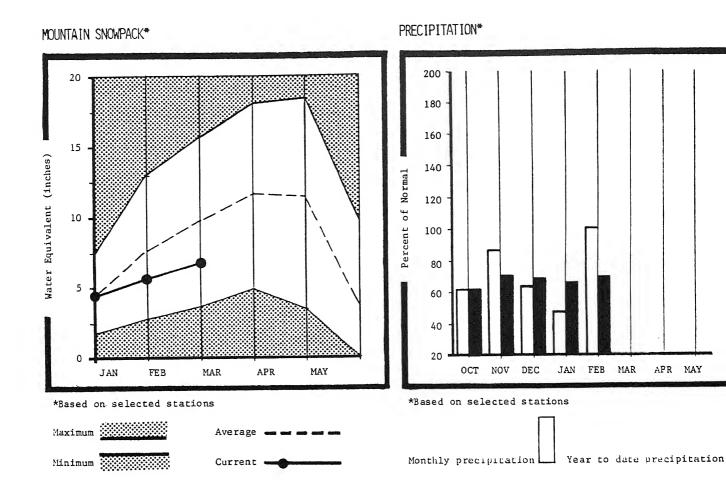
STREAMFLOW FORECAST POINT	1 F	IS YEAR <u>orecast</u> Ft.1 Pct. Ave.	Streamflow _ Forecast Period	PAST R 1,000 Ac Last Yr.**	re-Feet
WIND RIVER near Dubois	. 90 . 590 . 1,030 . 175	85 87 89 93 88 	April-Sept. April-Sept. April-Sept. April-Sept. April-Sept.	1 1	106 678 1.163 188 53.0

- (1) Observed flow plus change in storage in Bull Lake, Pilot Butte Reservoir and diversion to Myoming canal.
- (2) Observed flow plus change in storage in Bull Lake, Pilot Butte Reservoir, and Boysen Reservoir; plus diversion to Wyoming canal.
- (3) Observed flow plus change in storage in Bull Lake.
- xx Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
- + Period of average 1961-1980.

SUMMARY OF SNOW MEASUREMENTS

River Basin and/or Sub-Watershed	No. This Yr. Snow Snow <u>Water as Pct of</u> Site Last Yr Average	Reservoir 	Usable <u>Usable Storage</u> Capacity This Last Year Year Ave.
 Upper Wind River 		Bull Lake	151.8 89.9 106.8 88.0
Pogo Agie	! 4 73 86	Pilot Butte	31.6 23.5 19.2 15.4 549.9 321.8 341.3 295.0
l Wind River above Boysen l	1 17 81 74	l Boysen I	
!			
` == :		\ ====================================	

BIGHORN RIVER BASIN



WATER SUPPLY OUTLOOK:

Near 25 percent below no promising spring and sum 20 percent below usual. expected to be the lowest

BIGHORN RIVER BASIN

STREAMFLOW FORECASTS

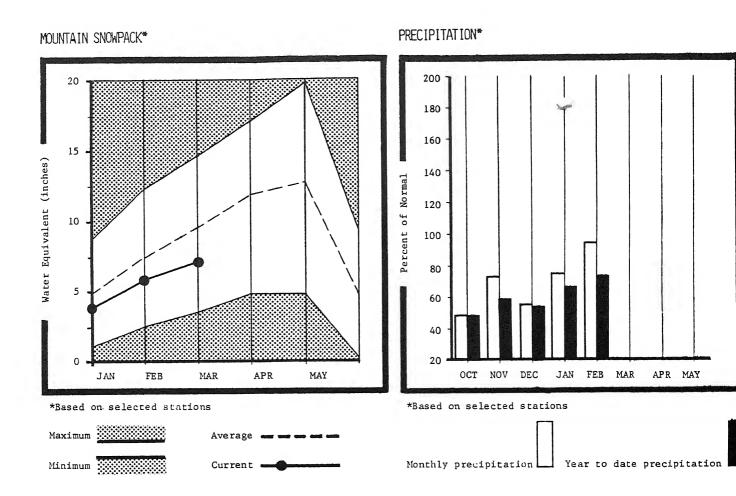
I STREAMFLOW FORECAST POINT	1			Streamflow Forecast Period	1 1,000 A	
WIND RIVER below Boysen Reservoir (1) TENSLEEP CREEK near Tensleep	65 16 63 178 700 1 500	.0 .5 .2 	89 75e 72e 81 83 83 80 84	April-Sept. April-Sept. April-Sept. April-Sept. April-Sept. April-Sept. April-Sept. April-Sept. April-Sept. March-Sept.	1 1 1 1	1,163 (Disc.) (Disc.) 78.0 215 845 628 278 71x

- (1) Observed flow plus change in storage in Bull Lake, Pilot Butte, and Boysen Reservoir; plus diversion to Wyoming Canal.
- (2) Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Hart Mountain Canal.
- x Less than 20 year average.
- ** Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
- + Period of average 1961-1980.

SUMMARY OF SNOW MEASUREMENTS

River Basin and/or Sub-Watershed	19	inov	I N	This ater ast Y	as I	oct o	<u>of</u> l	1	Reservoir		ityl	Usable This I Year I	Last	١
	1	16 5 5 4 2 22	1	104 106 91 93 59 93		77 82 67 73 77 72	1	1 1 1 1 1 1	Boysen Buffalo Bill Bighorn Lake	1 1 37	3.1 	321.8 238.5 352.6 	261.51 I	169.01

POWDER AND TONGUE RIVER BASINS



WATER SUPPLY OUTLOOK:

Snowpacks range from 16 to 47 percent below normal in this basin. The poorest snow water equivalents were measured in the drainages in areas near Buffalo.

The heavy spring snowfalls this basin is noted for will be necessary this year to improve streamflows that are expected to be only three-fourths of usual.

POWDER AND TONGUE RIVER BASIN

STREAMFLOW FORECASTS

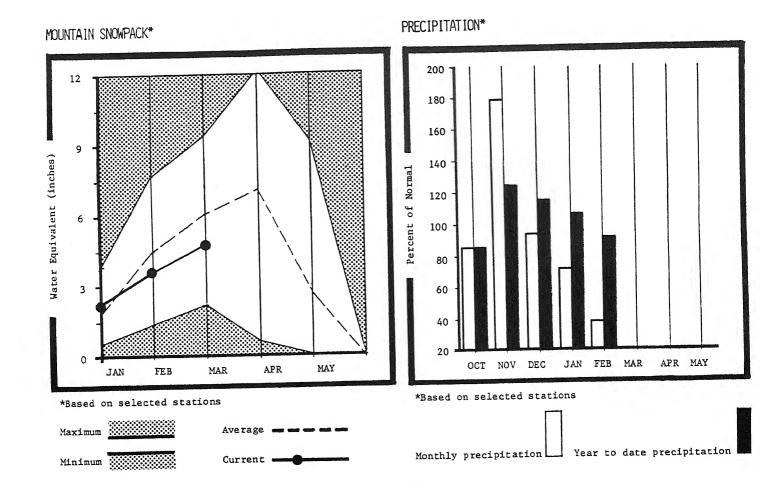
1	STREAMFLOW FORECAST POINT	 	THIS For O Ac-Ft	ecs.	st	i	Streamflow Forecast Period		1,000 Acr		. . +
	TONGUE RIVER near Dayton (1)	1 1 1	105 17.3 7.7 30.0 20.0 41.0	1	85 80 73 75 79 75 88		April-Sept. April-Sept. April-Sept. April-Sept. April-Sept. April-Sept. April-Sept.	\ \ \ \ \ \ \ \ \	 	123 21.6 10.6 40.0 25.4 54.8 182	
1		=====	======	:==:		==					1

- (1) Observed flow plus diversion to Highline Ditch.
- ** Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
- + Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

}asin	INo. This Yr. Snow Snow Water as Pct of	Reservoir Usable Usable Storage
hed	Site Last Yr Average	Year Year Ave. ====================================
. Goose Greek Clear Creek Crazy Woman Creek Powder River Basin 	9 105 84 4 97 81 2 100 63 3 80 53 9 96 71 	

BELLE FOURCHE AND CHEYENNE RIVER BASINS



WATER SUPPLY OUTLOOK:

Snowpack comparisons have r still at one-fourth below r at 20 percent below normal Reservoir storage is genera.

BELLE FOURCHE & CHEYENNE RIVER WATERSHED

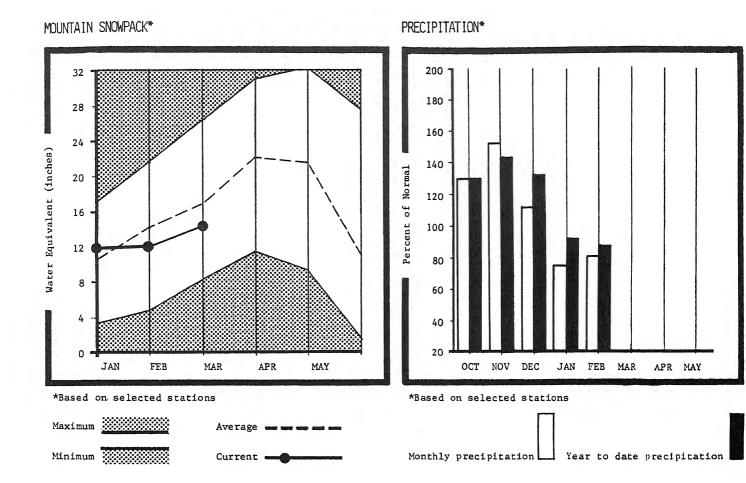
STREAMFLOW FORECASTS

 STREAMFLOW FORECAST POINT	I THIS Y I Foreca		ast 1,000 Acr	e-Feet
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 	 ===================================	! ====================================	 ====================================	 =============

SUMMARY of SNOW MEASUREMENTS

River Basin and/or Sub-Watershed	l Si	o. ` now! <u>\!</u> ite!L:	ster	as	et c	of I	Reservoir 		Jsable apacity 		Last I	1
======================================	 	6 1	92	===: ! ! ! ! !	74		Keyhole Relle Fourche Angostura Deerfield Pactola Shadehill	 	•	15.61 53.51	119.11 66.31 9.71 53.81	114.01 58.61 13.21

UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS



WATER SUPPLY OUTLOOK:

Base flows continue high and reservoir storage is very high (over twice normal at Seminoe). Spring and summer water supplies will be excellent even with snowpacks diminished to 15 percent below normal. Resultant streamflows are all expected to be below normal.

UPPER NORTH PLATTE RIVER AND LITTLE SNAKE RIVER BASINS

STREAMFLOW FORECASTS

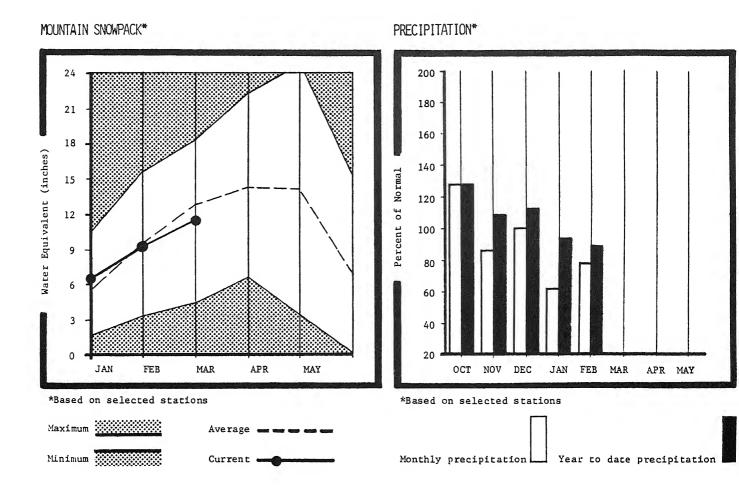
I 1,000 Ac-Ft. Pct. Ave. Period Last Yr. ** Average	+1
NORTH PLATTE RIVER near Northgate 236 90 April-Sept. 262 NORTH PLATTE RIVER near Sinclair 639 90 April-Sept. 710 ENCAMPMENT RIVER near Encampment 148 95 April-Sept. 156 ROCK CREEK near Arlington 47.5 82 April-Sept. 57.6 LITTLE SNAKE RIVER near Dixon (1) 305 95 April-Sept. 320 LITTLE SNAKE RIVER near Slater, CO (1) 148 94 April-Sept. 158	

- (1) Observed flow plus transbasin diversion.
- ** Measured flows for last year are U.S.G.S. provisional figures, subject to revision.
- + Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

River Basin and/or Sub-Watershed	lNo. Snow <u>N</u> Site L	ater a	35 P	ct of	ŗi	l Reservoir I	Capacity	Usable Sto This Last Year Year	
Upper North Platte Encampment Brush Creek Medicine Bow & Rock Creeks North Platte abv. Seminoe Little Snake River	14 3 3 21 4 	78 86 68 70 76 85e	1 1 1 1 1 1 1	90 95 88 77 85 96e	1 1 1 1 1 1 1 1	Seminoe I I I I I I I	1,017.3 	836.0 717. 	01 347.01 1

LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE RIVER BASINS



WATER SUPPLY OUTLOOK:

Eight percent overall loss in snow comparisons was noted in this basin. The now 16 percent below average snowpacks will produce below normal streamflows—the lowest expected on the Little Laramie at 21 percent below normal. Reservoir storage is excellent, however.

LOWER NORTH PLATTE RIVER WATERSHED

STREAMFLOW FORECASTS

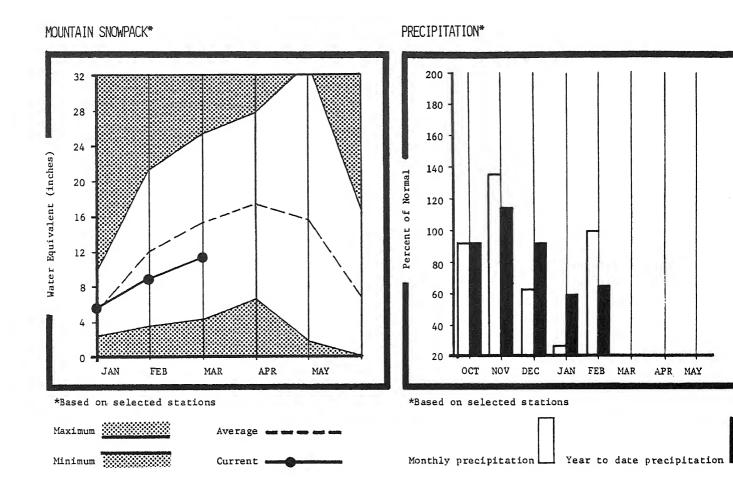
 STREAMFLOW FORECAST POINT 	THIS YEAR Forecast		PAST RECORD 1,000 Acre-Feet Last Yr.** Average	
NORTH PLATTE RIVER near Sinclair SWEETWATER RIVER near Alcova DEER CREEK at Glenrock Laprele Creek above Reservoir near Douglas . LARAMIE RIVER & PIONEER CANAL near Woods LITTLE LARAMIE RIVER near Filmore	55.3 37.4 24.5 1 116	90 April-Sept. 75 April-Sept. 85 March-July. 87 April-July. 88 April-Sept. 79 April-Sept.		9 I 2 I

- (1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.
- ** Heasured flows for last year are U.S.G.S. provisional figures, subject to revision.
- + Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

1	IS	nov	ı l <u>W</u> a	ter	35	Snow Pct o	fl			10	Usable apacity 	This Year	Last I Year I	Ave. I
 Sweetwater Deer & LaPrele Creeks N. Platte abv. Laramie River Little Laramie River Upper Laramie River Laramie River Total N. Platte River in Myoming I 	1	3 2 15 4 7 15 57		86 74 76 80 75 74	1 1 1 1 1 1 1 1	/3 86 84 69 91 79 84		1 1 1 1 1 1 1 1 1	Pathfinder Alcova Glendo Guernsey Wheatland #2 PROJECT WATER North Platte Project		45.21 98.91 1,016.11 1,201.61	886.41 2.81 368.21 32.61 73.11 1054.011	974.91 3.21 414.51 26.31 74.11 083.61 044.11	547.01 25.11 383.01 12.71 47.11
	===	==:	:==:	====	====	====	==	==	=======================================		=======	=======	======	=====

UPPER GREEN RIVER BASIN



WATER SUPPLY OUTLOOK:

Snow conditions changed little during the month. The average snowpack is 27 percent below normal and streamflows are expected to be near 15 percent below usual. Heavy spring snows could help offset the past two to three months of dry weather.

UPPER GREEN RIVER BASIN

STREAMFLOW FORECASTS

I STREAMFLOW FORECAST POINT	 _ 1	THIS YEAR Forecast :000 Ac-Ft. Pct. Av	I Forecast	PAST RE 1,000 Acr	e-Feet
GREEN RIVER at Warren Bridge	1	280 86 750 86 7.5 84 50.0 82 	April-Sept. April-July April-Sept. April-Sept.		326 869 8.9 61.1

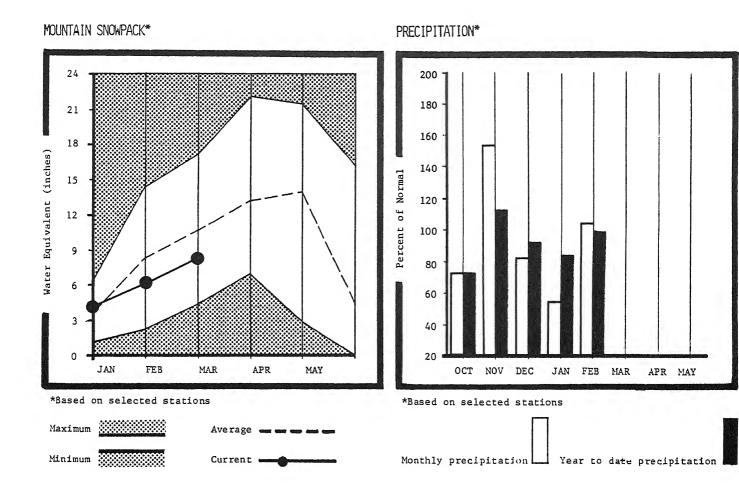
^{**} Measured flows for last year are U.S.G.S. provisional figures, subject to revision.

+ Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

1	River Rasin	No. This Yr. Snow Snow <u>Water as Pct of</u> C:+allast Yr Average	l Reservoir I	Capacity	Usable Storage This Last Year Year Ave.
		' 68 I	I Eden	11.8	N.R. I I 2.5
		i	1	1	
		78 I	l Big Sandy	1 38.31	24.21 23.01 17.21
		1 63 l	 Fontenelle	1 344.81	
		1	1	i	1 1
		77	l	1	
		70	1	1	
		73	! 	1	1 1 1 1 1

LOWER GREEN RIVER BASIN



WATER SUPPLY OUTLOOK:

Snowpacks remain at near to well below normal. Streamflows are all forecast at 8 to 17 percent below normal, except for the Uinta fed streams (Henry's & Black's Forks), which are still expected to flow above normal. Reservoir storage is very good.

LOWER GREEN RIVER BASIN

STREAMFLOW FORECASTS

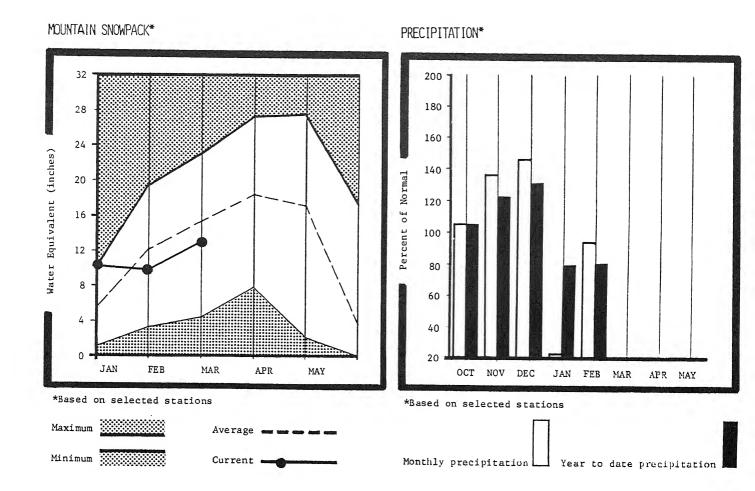
THIS YEAR Streamflow PAST REC STREAMFLOW FORECAST POINT Forecast 1,000 Acre 	
BLACK FORK RIVER near Milburne 98 109 April-July	869 71.3 1.079 89.9 48.0 1.248

- (1) Observed flow plus change in storage in Fontenelle Reservoir.
- Measured flows for last year are U.S.G.S. provisional figures, subject to revision. Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

l River Basin Vor Ashed	No. This Yr. Snow Snow <u>Water as Pct of</u> Site Last Yr Average		Usable <u>Usable Storage</u>
·	1 3 1 79 1 76 1	I Flaming Gorge	1 3,749,013036.513151.01 1
i Blacks Fork/Henry's Fork	1 4 1 76 1 94 1	l Viva Naughton	1 36.01 1 1
I Green River above Flaming G.	1 15 90 74	 	
1			
9			
			=======================================

UPPER BEAR RIVER BASIN



WATER SUPPLY OUTLOOK:

The Bear River boasts the highest forecast for streamflow at 28 percent above usual. Smith Fork forecasts remain near 15 percent below flows. Snowpack comparisons have changed month.

BEAR RIVER BASIN

STREAMFLOW FORECASTS

 STREAMFLOW FORECAST POINT 	THIS YEAR Forecast 1,000 Ac-Ft. Pct.	I Forecast	! PAST RECORD ! 1,000 Acre-Feet Last Yr.** Average +
SMITHS FORK near Border	29.8 8 130 11 179 12	5 April-Sept. 8 April-July 8 April-July	119 35.1 110 139 110 100 1

^{**} Measured flows for last year are U.S.G.S. provisional figures, subject to revision.

Period of average 1961-1980.

SUMMARY of SNOW MEASUREMENTS

River Basin and/or Sub-Watershed	No. 1 Snow <u>Wa</u> Site La	iter as f	ct of	1	l Reservoir I I		able I <u>U</u> acityI Th I Ye		st I
Upper Bear River	1 3 1	85 1 78 1 85	96 78 86		Woodruff Narrows 		55.81 	======= 5: 	======= 5.41 1 1 1
		 				! 	 	;]] 	!

THE FOLLOWING ORGANIZATIONS COOPERATE WITH THE SOIL CONSERVATION SERVICE IN SNOW SURVEY WORK

State

Conservation Districts of Wyoming
State Engineer of Wyoming
Department of Water Resources of Nebraska
Irrigation Districts of Wyoming
University of Wyoming
Department of Atmospheric Resources
Department of Agricultural Engineering

Federal.

- U.S. Department of Agriculture
 Soil Conservation Service
 Forest Service
- U.S. Department of Commerce NOAA, National Weather Service
- U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service
 Bureau of Indian Affairs
 Bureau of Land Management

Private

Utah Power and Light Company Eden Valley Irrigation District

Other organizations and individuals furnish information for the snow survey reports. Their cooperation is gratefully acknowledged.